

9TH STREET

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EXISTING INTERSECTION
NO WORK REQUIRED THIS PHASE
SHOWN FOR INFORMATIONAL
PURPOSE ONLY

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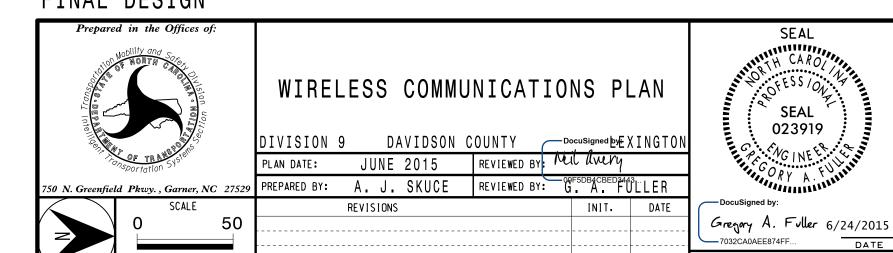
PROJECT REFERENCE NO.

B-3159

SCP.3

LEGEND YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION YAGI ANTENNA (SINGLE) OMNI ANTENNA EXISTING CONTROLLER AND CABINET EXISTING MASTER CONTROLLER AND CABINET SIGNAL INVENTORY NUMBER NEW METAL POLE W/MAST ARM EXISTING WOOD POLE NEW METAL POLE SIGNAL POLE EXISTING METAL POLE NEW OVERSIZED JUNCTION BOX EXISTING OVERSIZED JUNCTION BOX ----- EXISTING CONDUIT -EXI-EXISTING COMMUNICATIONS CABLE

FINAL DESIGN



CADD Filename:

NOTES FOR WIRELESS COMMUNICATIONS:

1. INSTALL COAXIAL CABLE:

- A. ON WOOD POLES, REQUIRING A NEW RIGID GALVANIZED STEEL RISER, INSTALL A 2" RISER WITH WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
- B. ON METAL POLES WITH MAST ARMS, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE MAST ARM;
- FIELD DRILL A 1/2" HOLE UP THROUGH THE BOTTOM OF MAST ARM FOR INSTALLATION OF THE COAXIAL CABLE TO THE ANTENNA.
- C. ON METAL STRAIN POLES, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE WEATHERHEAD
- AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.

  D. BETWEEN THE POINT OF EXITING THE RISER, METAL POLE OR MAST ARM AND THE ANTENNA, SECURE THE COAXIAL CABLE
- TO THE STRUCTURE USING 3/4" STAINLESS STEEL STRAPS EVERY 12".
- 2. IF AN EXISTING 2" SPARE RIGID GALVANIZED STEEL RISER IS AVAILABLE, INSTALL THE COAXIAL CABLE IN THE SPARE RISER.
- 3. INSTALL WIRELESS ANTENNA ON POLE WITH RF WARNING SIGN.
- (NOTE: RF WARNING SIGN NOT REQUIRED WHEN ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
- 4. MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES PER THE NATIONAL ELECTRICAL SAFETY CODE.
- 5. INSTALL WIRELESS SERIAL RADIO MODEM WITH EXTERIOR DISCONNECT SWITCH LOCATED ON CABINET.

  (NOTE: RF ANTENNA DISCONNECT SWITCH AND DECAL ARE NOT REQUIRED WHEN THE ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
- 6. REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DETAILS."